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INTRODUCTION

The *Bibliography of Agriculture* is a monthly index to the literature of agriculture and allied sciences, based upon the indexing records prepared by the U.S. National Agricultural Library, for its CAIN (Cataloging and Indexing) computer system. Macmillan Information, a division of the Macmillan Publishing Company, Inc. prepares and publishes the Bibliography under the control of its own computer indexing system.

CONTENT

The National Agricultural Library collects literature related to agriculture from world wide sources. Publications are considered for inclusion in the CAIN System if a summary, abstract or title is available in a language in which the Library has expertise. The Bibliography includes journal articles, pamphlets, government documents, special reports, proceedings, etc. Books, new serials and other materials recently cataloged by the Library are announced in the *National Agricultural Library Catalog* published by Rowman and Littlefield.

Articles of substantial interest to the agricultural community are selected by specialists on the library staff. Editorials, letters to the editor, regular columns, and articles signed with pseudonyms or initials are not included. Indexing of articles on the processing of agricultural products is limited to those on primary processing. Generally material must have been published in the current year or the preceding year, but exceptions are made for comprehensive volumes or works of special significance to a wide audience.

The Bibliography is now divided into five sections: A main entry section, a subject index, a geographic index, a corporate author index, and a personal author index.

MAIN ENTRY SECTION

The main entry section provides full bibliographic data for the records added to the CAIN system during the preceding month by the National Agricultural Library.

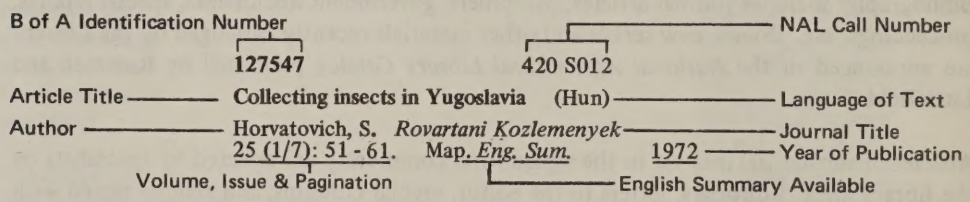
Entries are assigned to one (or more if appropriate) of the broad subject categories shown in the table of contents. The array of subject categories was increased in 1972 to facilitate browsing through a small number of citations of high relevance to a particular interest. Approximately equal numbers of citations will fall into each category over a given period of time. In assigning materials to the categories, first consideration is given to the aspect, discipline or methodology involved, so that the categories will enhance information given in the title.

Within each category, entries are arranged alphabetically by journal title abbreviation. This permits rapid locating and scanning of articles from journals which are known to be relevant.

Each entry begins with a six digit identification number assigned sequentially throughout a volume year. This number serves as an identfier for the item in the various indexes. The call number of the National Agricultural Library is also noted on the first line of each entry, and should be included in any correspondence with the library. All titles are in English, using the Library's translations of non-English titles as necessary. If the text is other than English, the original language is indicated in parentheses following the title, using the following notations:

(Afr)	**Afrikaans**	**(Fle)**	**Flemish**	**(Lit)**	**Lithuanian**
(Alb)	**Albanian**	**(Fre)**	**French**	**(Mac)**	**Macedonian**
(Arm)	**Armenian**	**(Geo)**	**Georgian**	**(Nor)**	**Norwegian**
(Aze)	**Azerbaijani**	**(Ger)**	**German**	**(Pol)**	**Polish**
(Bel)	**Belorussian**	**(Gre)**	**Greek**	**(Por)**	**Portuguese**
(Bul)	**Bulgarian**	**(Heb)**	**Hebrew**	**(Rum)**	**Rumanian**
(Bur)	**Burmese**	**(Hun)**	**Hungarian**	**(Rus)**	**Russian**
(Chi)	**Chinese**	**(Ice)**	**Icelandic**	**(Ser)**	**Serbian**
(Cro)	**Croatian**	**(Ind)**	**Indonesian**	**(Slo)**	**Slovak**
(Cze)	**Czech**	**(Ita)**	**Italian**	**(Slv)**	**Slovenian**
(Dan)	**Danish**	**(Jap)**	**Japanese**	**(Spa)**	**Spanish**
(Dut)	**Dutch**	**(Kor)**	**Korean**	**(Swe)**	**Swedish**
(Est)	**Estonian**	**(Lat)**	**Latin**	**(Tha)**	**Thai**
(Fin)	**Finnish**	**(Lav)**	**Latvian**	**(Tur)**	**Turkish**
				(Ukr)	**Ukrainian**

In order to identify bibliographic elements within each main entry, note the following:



SUBJECT INDEX

The vocabulary of the Bibliography of Agriculture is derived from the indexed literature. As a result, it reflects both natural language and scientific terminology. The reader must keep this fact in mind and approach the subject index without any preconceived taxonomy in mind. For example, data on a particular member of the ACARIDAE family may be found under TICKS as well. Prevention measures will be found under ACARICIDE.

The reader should plan his search in terms of the most specific natural language term prior to searching under a scientific term. However, note that the vocabulary is an open ended one and new terms are added each month. Undoubtedly readers will be more keenly aware of crucial search terms within their own fields of research. If such terms are missing, we hope readers will notify the editor of such gaps. The Subject Index will increase its utility if there is frequent interaction between the research community and the editor.

All entries are based on single words in the title (and title enrichment when added by the library). An entry will be made whenever a title word matches a word on the authority file, which currently contains over 25,000 terms. The file is organized so that in most cases synonymous terms are grouped together under a single subject heading. Thus singular and plural forms are grouped under a single term as are grammatical variants:

PROTEINS (singular and plural variation)
I. Water, fats, ash & salt. II **Protein**
Modifying **proteins** for maximum utilization

MANAGEMENT (grammatical and term variation)
profits through nutrition and **management**
Management agricultural extension
* **Administration** of agricultural cooperatives
Techniques of **administering** apiaries in apiculture

* Cross references are made to synonymous terms.

The title word on which the entry is based, appears in bold face type to facilitate rapid scanning of the index. A secondary word, which may either precede or follow the primary word, also appears in bold face type. These word pairs help provide finer access to desired term, particularly under headings which have many entries.

VIRUSES
Physical properties of blue-green **algal virus**
Venezuelan equine **encephalomyelitis virus**
Limited proteolysis of **potato virus X** by
with sugar beet tolerance to **virus yellows.**

If a search is required which related to a general term such as an ACID it would be preferable to search under the specific type of ACID. Very often a specific acid has already been established as a subject term. However new types of acids, or viruses or plant varieties will not have been identified in the the thesaurus and under such circumstances, searching under the more general term would prove more fruitful.

We have changed the format of the table of contents to reflect the identification number ranges of each of the main entry categories. Thus, the reader can check the category under which a subject entry falls, prior to verifying it in the main entry section.

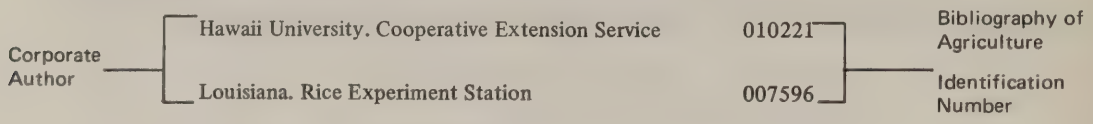
The asterisk line: * * * * * *
Occasionally the reader will encounter a series of asterisks in place of title data under a term, followed by the B of A identification number. This line indicates the presence of material which is part of a series and the title data is identical to that immediately above the asterisk. The identification number given is the last entry in the series which has been entered consecutively within a particular category.

GEOGRAPHIC INDEX

As part of our goal of constantly increasing access to the literature, we have added a geographic index. This index is a direct alphabetic listing of all place names which have been indexed in association with the title. Obviously not all titles will have geographic entries. The indexing division of the National Agricultural Library will add geographic descriptors wherever it is germane to the subject of the article.

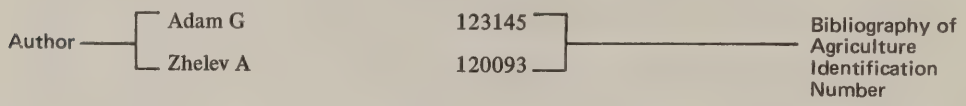
CORPORATE AUTHOR INDEX

Readers will note that the corporate author index is considerably enlarged. We are now able to indicate authorship of the publications of the State Agricultural Experiment Stations and Extension Services. The full corporate citation is given, followed by the six digit identification number referring to its appropriate main entry.



AUTHOR INDEX

All personal authors (to a maximum of ten for each citation) are included in the index. Entries are made by last name and initials, followed by the six digit identification number referring to the bibliographic data in the main entry section.



AVAILABILITY OF REFERENCES CITED

Most of the current publications of the Department of Agriculture, and publications issued by the State Experiment Stations and the State Agricultural Extension Services, may be obtained free of charge by applying directly to the issuing agency. The National Agricultural Library does not distribute them, nor does the publisher.

Users who wish to obtain full text for citations should first utilize the resources of their local libraries. For material which is not readily available from other sources, users may request material from the National Agricultural Library. Such requests must include the complete citation as well as the Library's call number. Microfilm or electrostatic copies of documents may be purchased from the Photocopying Service of the National Agricultural Library, U.S. Department of Agriculture, Beltsville, Maryland 20705. Copy charges are:

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MAIN ENTRY SECTION

GENERAL AGRICULTURE AND RURAL SOCIOLOGY

030352 14 P215BC
Communications relative to 1970--1971 agricultural campaign. III. Climatic aspects of 1970--1971 agricultural campaign. (Fre) Geslin, M H *Acad Agric Fr C R Seances* 10: 757-771 1972

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New directions in rural development. [India]. Singh, S *Agric Agro-ind J* 5 (9): 45-46. Sept 1972

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Occupational orientation in agricultural careers--a must for career planning in 7th & 8th grades. Fredenburg, P B *Agric Educ* 45 (8): 175, 177. Feb 1973

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History of sugar in Brazil. III. Brazilian agrarian culture in XVIth century. (Por) Vargas, C *Brasil Acucareiro* 80 (5): 45-48. Nov 1972

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Role of agrochemical service in intensifying agricultural production. (Rus) Artiushin, A M; Tolstousov, V P *Khim Sel'skom Khoz* 10 (12): 51-53. 1972

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Employment of rural farm wives. Sweet, J A *Rural Sociol* 37 (4): 553-577. Ref. Dec 1972

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INTRODUCTION

The *Bibliography of Agriculture* is a monthly index to the literature of agriculture and allied sciences, based upon the indexing records prepared by the U.S. National Agricultural Library, for its CAIN (Cataloging and Indexing) computer system. Macmillan Information, a division of the Macmillan Publishing Company, Inc. prepares and publishes the Bibliography under the control of its own computer indexing system.

CONTENT

The National Agricultural Library collects literature related to agriculture from world wide sources. Publications are considered for inclusion in the CAIN System if a summary, abstract or title is available in a language in which the Library has expertise. The Bibliography includes journal articles, pamphlets, government documents, special reports, proceedings, etc. Books, new serials and other materials recently cataloged by the Library are announced in the *National Agricultural Library Catalog* published by Rowman and Littlefield.

Articles of substantial interest to the agricultural community are selected by specialists on the library staff. Editorials, letters to the editor, regular columns, and articles signed with pseudonyms or initials are not included. Indexing of articles on the processing of agricultural products is limited to those on primary processing. Generally material must have been published in the current year or the preceding year, but exceptions are made for comprehensive volumes or works of special significance to a wide audience.

The Bibliography is now divided into five sections: A main entry section, a subject index, a geographic index, a corporate author index, and a personal author index.

MAIN ENTRY SECTION

The main entry section provides full bibliographic data for the records added to the CAIN system during the preceding month by the National Agricultural Library.

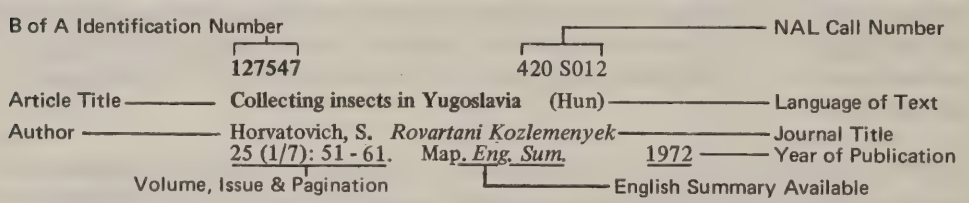
Entries are assigned to one (or more if appropriate) of the broad subject categories shown in the table of contents. The array of subject categories was increased in 1972 to facilitate browsing through a small number of citations of high relevance to a particular interest. Approximately equal numbers of citations will fall into each category over a given period of time. In assigning materials to the categories, first consideration is given to the aspect, discipline or methodology involved, so that the categories will enhance information given in the title.

Within each category, entries are arranged alphabetically by journal title abbreviation. This permits rapid locating and scanning of articles from journals which are known to be relevant.

Each entry begins with a six digit identification number assigned sequentially throughout a volume year. This number serves as an identfier for the item in the various indexes. The call number of the National Agricultural Library is also noted on the first line of each entry, and should be included in any correspondence with the library. All titles are in English, using the Library's translations of non-English titles as necessary. If the text is other than English, the original language is indicated in parentheses following the title, using the following notations:

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(Alb)	Albanian	(Fre)	French	(Mac)	Macedonian
(Arm)	Armenian	(Geo)	Georgian	(Nor)	Norwegian
(Aze)	Azerbaijani	(Ger)	German	(Pol)	Polish
(Bel)	Belorussian	(Gre)	Greek	(Por)	Portuguese
(Bul)	Bulgarian	(Heb)	Hebrew	(Rum)	Rumanian
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(Cro)	Croatian	(Ind)	Indonesian	(Slo)	Slovak
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(Dut)	Dutch	(Kor)	Korean	(Swe)	Swedish
(Est)	Estonian	(Lat)	Latin	(Tha)	Thai
(Fin)	Finnish	(Lav)	Latvian	(Tur)	Turkish
				(Ukr)	Ukrainian

In order to identify bibliographic elements within each main entry, note the following:



SUBJECT INDEX

The vocabulary of the Bibliography of Agriculture is derived from the indexed literature. As a result, it reflects both natural language and scientific terminology. The reader must keep this fact in mind and approach the subject index without any preconceived taxonomy in mind. For example, data on a particular member of the ACARIDAE family may be found under TICKS as well. Prevention measures will be found under ACARICIDE.

The reader should plan his search in terms of the most specific natural language term prior to searching under a scientific term. However, note that the vocabulary is an open ended one and new terms are added each month. Undoubtedly readers will be more keenly aware of crucial search terms within their own fields of research. If such terms are missing, we hope readers will notify the editor of such gaps. The Subject Index will increase its utility if there is frequent interaction between the research community and the editor.

All entries are based on single words in the title (and title enrichment when added by the library). An entry will be made whenever a title word matches a word on the authority file, which currently contains over 25,000 terms. The file is organized so that in most cases synonymous terms are grouped together under a single subject heading. Thus singular and plural forms are grouped under a single term as are grammatical variants:

PROTEINS (singular and plural variation)
I. Water, fats, ash & salt. II **Protein**
Modifying **proteins** for maximum utilization

MANAGEMENT (grammatical and term variation)
profits through nutrition and **management**
Management agricultural extension
* **Administration** of agricultural cooperatives
Techniques of **administering** apiaries in apiculture

* Cross references are made to synonymous terms.

The title word on which the entry is based, appears in bold face type to facilitate rapid scanning of the index. A secondary word, which may either precede or follow the primary word, also appears in bold face type. These word pairs help provide finer access to desired term, particularly under headings which have many entries.

VIRUSES
Physical properties of blue-green **algal virus**
Venezuelan equine **encephalomyelitis virus**
Limited proteolysis of **potato virus X** by
with sugar beet tolerance to **virus yellows.**

If a search is required which related to a general term such as an ACID it would be preferable to search under the specific type of ACID. Very often a specific acid has already been established as a subject term. However new types of acids, or viruses or plant varieties will not have been identified in the the thesaurus and under such circumstances, searching under the more general term would prove more fruitful.

We have changed the format of the table of contents to reflect the identification number ranges of each of the main entry categories. Thus, the reader can check the category under which a subject entry falls, prior to verifying it in the main entry section.

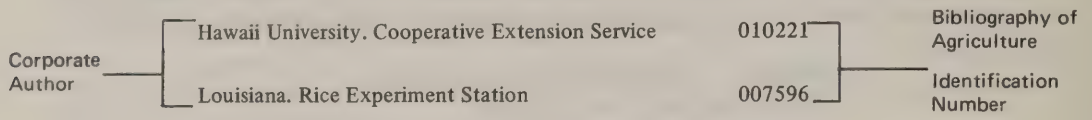
The asterisk line: * * * * * *
Occasionally the reader will encounter a series of asterisks in place of title data under a term, followed by the B of A identification number. This line indicates the presence of material which is part of a series and the title data is identical to that immediately above the asterisk. The identification number given is the last entry in the series which has been entered consecutively within a particular category.

GEOGRAPHIC INDEX

As part of our goal of constantly increasing access to the literature, we have added a geographic index. This index is a direct alphabetic listing of all place names which have been indexed in association with the title. Obviously not all titles will have geographic entries. The indexing division of the National Agricultural Library will add geographic descriptors wherever it is germane to the subject of the article.

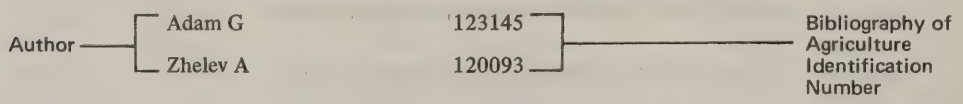
CORPORATE AUTHOR INDEX

Readers will note that the corporate author index is considerably enlarged. We are now able to indicate authorship of the publications of the State Agricultural Experiment Stations and Extension Services. The full corporate citation is given, followed by the six digit identification number referring to its appropriate main entry.



AUTHOR INDEX

All personal authors (to a maximum of ten for each citation) are included in the index. Entries are made by last name and initials, followed by the six digit identification number referring to the bibliographic data in the main entry section.



AVAILABILITY OF REFERENCES CITED

Most of the current publications of the Department of Agriculture, and publications issued by the State Experiment Stations and the State Agricultural Extension Services, may be obtained free of charge by applying directly to the issuing agency. The National Agricultural Library does not distribute them, nor does the publisher.

Users who wish to obtain full text for citations should first utilize the resources of their local libraries. For material which is not readily available from other sources, users may request material from the National Agricultural Library. Such requests must include the complete citation as well as the Library's call number. Microfilm or electrostatic copies of documents may be purchased from the Photocopying Service of the National Agricultural Library, U.S. Department of Agriculture, Beltsville, Maryland 20705. Copy charges are:

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INTRODUCTION

The *Bibliography of Agriculture* is a monthly index to the literature of agriculture and allied sciences, based upon the indexing records prepared by the U.S. National Agricultural Library, for its CAIN (Cataloging and Indexing) computer system. Macmillan Information, a division of the Macmillan Publishing Company, Inc. prepares and publishes the Bibliography under the control of its own computer indexing system.

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Articles of substantial interest to the agricultural community are selected by specialists on the library staff. Editorials, letters to the editor, regular columns, and articles signed with pseudonyms or initials are not included. Indexing of articles on the processing of agricultural products is limited to those on primary processing. Generally material must have been published in the current year or the preceding year, but exceptions are made for comprehensive volumes or works of special significance to a wide audience.

The Bibliography is now divided into five sections: A main entry section, a subject index, a geographic index, a corporate author index, and a personal author index.

MAIN ENTRY SECTION

The main entry section provides full bibliographic data for the records added to the CAIN system during the preceding month by the National Agricultural Library.

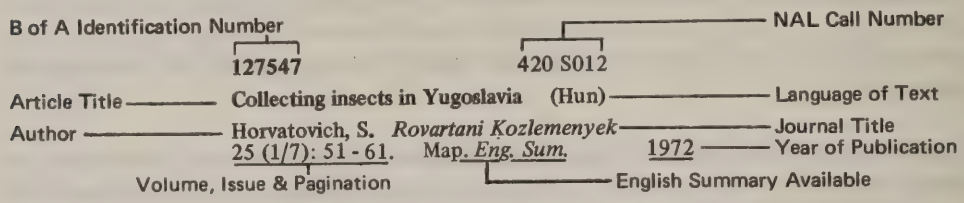
Entries are assigned to one (or more if appropriate) of the broad subject categories shown in the table of contents. The array of subject categories was increased in 1972 to facilitate browsing through a small number of citations of high relevance to a particular interest. Approximately equal numbers of citations will fall into each category over a given period of time. In assigning materials to the categories, first consideration is given to the aspect, discipline or methodology involved, so that the categories will enhance information given in the title.

Within each category, entries are arranged alphabetically by journal title abbreviation. This permits rapid locating and scanning of articles from journals which are known to be relevant.

Each entry begins with a six digit identification number assigned sequentially throughout a volume year. This number serves as an identfier for the item in the various indexes. The call number of the National Agricultural Library is also noted on the first line of each entry, and should be included in any correspondence with the library. All titles are in English, using the Library's translations of non-English titles as necessary. If the text is other than English, the original language is indicated in parentheses following the title, using the following notations:

(Afr)	Afrikaans	(Fle)	Flemish	(Lit)	Lithuanian
(Alb)	Albanian	(Fre)	French	(Mac)	Macedonian
(Arm)	Armenian	(Geo)	Georgian	(Nor)	Norwegian
(Aze)	Azerbaijani	(Ger)	German	(Pol)	Polish
(Bel)	Belorussian	(Gre)	Greek	(Por)	Portuguese
(Bul)	Bulgarian	(Heb)	Hebrew	(Rum)	Rumanian
(Bur)	Burmese	(Hun)	Hungarian	(Rus)	Russian
(Chi)	Chinese	(Ice)	Icelandic	(Ser)	Serbian
(Cro)	Croatian	(Ind)	Indonesian	(Slo)	Slovak
(Cze)	Czech	(Ita)	Italian	(Slv)	Slovenian
(Dan)	Danish	(Jap)	Japanese	(Spa)	Spanish
(Dut)	Dutch	(Kor)	Korean	(Swe)	Swedish
(Est)	Estonian	(Lat)	Latin	(Tha)	Thai
(Fin)	Finnish	(Lav)	Latvian	(Tur)	Turkish
				(Ukr)	Ukrainian

In order to identify bibliographic elements within each main entry, note the following:



SUBJECT INDEX

The vocabulary of the Bibliography of Agriculture is derived from the indexed literature. As a result, it reflects both natural language and scientific terminology. The reader must keep this fact in mind and approach the subject index without any preconceived taxonomy in mind. For example, data on a particular member of the ACARIDAE family may be found under TICKS as well. Prevention measures will be found under ACARICIDE.

The reader should plan his search in terms of the most specific natural language term prior to searching under a scientific term. However, note that the vocabulary is an open ended one and new terms are added each month. Undoubtedly readers will be more keenly aware of crucial search terms within their own fields of research. If such terms are missing, we hope readers will notify the editor of such gaps. The Subject Index will increase its utility if there is frequent interaction between the research community and the editor.

All entries are based on single words in the title (and title enrichment when added by the library). An entry will be made whenever a title word matches a word on the authority file, which currently contains over 25,000 terms. The file is organized so that in most cases synonymous terms are grouped together under a single subject heading. Thus singular and plural forms are grouped under a single term as are grammatical variants:

PROTEINS (singular and plural variation)
I. Water, fats, ash & salt. II **Protein**
Modifying **proteins** for maximum utilization

MANAGEMENT (grammatical and term variation)
profits through nutrition and **management**
Management agricultural extension
* **Administration** of agricultural cooperatives
Techniques of **administering** apiaries in apiculture

* Cross references are made to synonymous terms.

The title word on which the entry is based, appears in bold face type to facilitate rapid scanning of the index. A secondary word, which may either precede or follow the primary word, also appears in bold face type. These word pairs help provide finer access to desired term, particularly under headings which have many entries.

VIRUSES
Physical properties of blue-green **algal virus**
Venezuelan equine **encephalomyelitis virus**
Limited proteolysis of **potato virus X** by
with sugar beet tolerance to **virus yellows.**

If a search is required which related to a general term such as an ACID it would be preferable to search under the specific type of ACID. Very often a specific acid has already been established as a subject term. However new types of acids, or viruses or plant varieties will not have been identified in the the thesaurus and under such circumstances, searching under the more general term would prove more fruitful.

We have changed the format of the table of contents to reflect the identification number ranges of each of the main entry categories. Thus, the reader can check the category under which a subject entry falls, prior to verifying it in the main entry section.

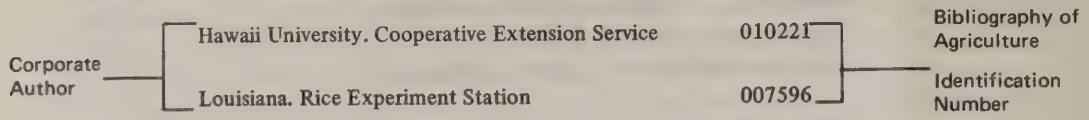
The asterisk line: * * * * * *
Occasionally the reader will encounter a series of asterisks in place of title data under a term, followed by the B of A identification number. This line indicates the presence of material which is part of a series and the title data is identical to that immediately above the asterisk. The identification number given is the last entry in the series which has been entered consecutively within a particular category.

GEOGRAPHIC INDEX

As part of our goal of constantly increasing access to the literature, we have added a geographic index. This index is a direct alphabetic listing of all place names which have been indexed in association with the title. Obviously not all titles will have geographic entries. The indexing division of the National Agricultural Library will add geographic descriptors wherever it is germane to the subject of the article.

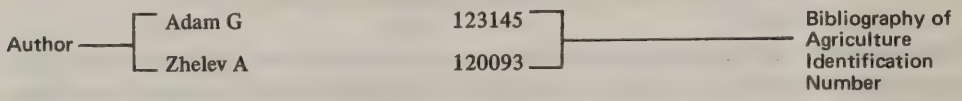
CORPORATE AUTHOR INDEX

Readers will note that the corporate author index is considerably enlarged. We are now able to indicate authorship of the publications of the State Agricultural Experiment Stations and Extension Services. The full corporate citation is given, followed by the six digit identification number referring to its appropriate main entry.



AUTHOR INDEX

All personal authors (to a maximum of ten for each citation) are included in the index. Entries are made by last name and initials, followed by the six digit identification number referring to the bibliographic data in the main entry section.



AVAILABILITY OF REFERENCES CITED

Most of the current publications of the Department of Agriculture, and publications issued by the State Experiment Stations and the State Agricultural Extension Services, may be obtained free of charge by applying directly to the issuing agency. The National Agricultural Library does not distribute them, nor does the publisher.

Users who wish to obtain full text for citations should first utilize the resources of their local libraries. For material which is not readily available from other sources, users may request material from the National Agricultural Library. Such requests must include the complete citation as well as the Library's call number. Microfilm or electrostatic copies of documents may be purchased from the Photocopying Service of the National Agricultural Library, U.S. Department of Agriculture, Beltsville, Maryland 20705. Copy charges are:

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Payment must accompany the order. Cash, library coupons, check, or money order drawn to the National Agricultural Library, USDA, are acceptable. Payment for orders originating outside the United States should be made by international money order or draft on an American bank, or by UNESCO book coupons. Library coupons, valued at $1.00 each, may be purchased in any quantity from the Library's Photocopying Service.

MAIN ENTRY SECTION

GENERAL AGRICULTURE AND RURAL SOCIOLOGY

051647 280.8 AG82
Representation of farmers in Austria. (Ger) Brandstatter, E *Agr Rundsch* Special No.: 7-9. Feb 1973

051648 280.8 AG82
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Impact of agricultural extension & technological innovation on Chilean agriculture. (Spa) Menanteau-Horta, D *Agr Tec* 32 (4): 182-188. Ref. Eng. Sum. Oct/Dec 1972

051651 S19.A32
Britain's National College of Agricultural Engineering. Payne, P C J; Dyson, J *Agric Agro-ind J* 5 (12): 14-15. Dec 1972

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Green revolution in India. [Agriculture]. Sharma, C P *Agric Agro-ind J* 5 (12): 28-30. Dec 1972

051653 S19.A32
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Accompanying Agricultural Delegation from People's Republic of China. (Jap) Yamaguchi, T; Hara, S *Agric Asia* 11 (2): 12-19. Feb 1973

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Professional education of farmers. (Ita) Bosis, A *Agric Bergamasca* 23 (12): 13-14. Dec 1972

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New FFA [Future Farmers of America]: a relevant tool in career education. Hornbrook, A N; Wolf, R E *Agric Educ* 45 (10): 222. Apr 1973

051657 275.8 AG8
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051662 275.8 AG8
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Challenges in frontier land. [Vocational agriculture, Latin America]. Agan, R J *Agric Educ* 45 (10): 235. Apr 1973

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Agricultural enterprise facing its future. II. Private cooperative anonymous societies enterprises. (Spa) Soldevilla, A D *Agric Rev Agropecu* 42 (489): 16-19. Jan 1973

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Agricultural education in college. Swain, F G *Agric Technol* 3 (4): 27-30. Nov 1972

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A crisis for rural youth. Blackburn, D J; Storey, P J *Agrologist* 2 (1): 11-12. Jan/Feb 1973

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A development far from being accomplished. [Agriculture, mechanization]. (Fre) Carillon, R *France Centre Nat Etud Exp Mach Agr Bull Inform* 179: 1-4. Dec 1972

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Georgi Dimitrov & development of agricultural science & education. (Bul) Balevska, R K *Ikon Sel Stop* 9 (6): 25-29. 1972

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Nutrition & parasitism among rural pre-school children in South Carolina. Carter, J P; Vanderzwaag, R; Darby, W J; Lease, E J; Lauter, F H; Dudley, B W; High, E G; Wright, D J; Murphree, T *In Biology of Nematodes: Current Studies* P. 207-217. Ref. 1972

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Problems faced by organizations & agencies in communicating with disadvantaged. [Rural communications]. Eberts, P R; John, B *In Communication for Change with the Rural Disadvantaged* P. 104-107. 1972

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Characteristics of disadvantaged. [Rural social structure]. McCormack, J; Picou, J S *In Communication for Change with the Rural Disadvantaged* P. 108-110. 1972

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Methods of communication. [Rural communications]. Kuvlesky, W; Copeland, L *In Communication for Change with the Rural Disadvantaged* P. 111-113. 1972

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Nature of cummunication process. [Information theory]. Brubaker, R S *In Communication for Change with the Rural Disadvantaged* P. 15-20. 1972

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Talking with poor. [Rural cummunications]. Macneal, P *In Communication for Change with the Rural Disadvantaged* P. 21-25. 1972

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Goals in communication with disadvantaged. [Rural communications]. Sharp, W *In Communication for Change with the Rural Disadvantaged* P. 26-29. 1972

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Some characteristics of organizations that affect two-way communication. [Information theory]. Reeder, R L *In Communication for Change with the Rural Disadvantaged* P. 36-45. 1972

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Characteristics of disadvantaged as they affect communication. Zurcher, L A *In Communication for Change with the Rural Disadvantaged* P. 55-72. Ref. 1972

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Methods of successful communication with disadvantaged. [Rural communications]. Lyons, J R *In Communication for Change with the Rural Disadvantaged* P. 78-83. 1972

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Can technology & modern pedagogy lead to a better equality of opportunities? [Rural education]. (Fre) Haberkorn, J P *Inform Agr (paris)* 433: 43-44. Feb 1973

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Iowa's population: past, present, & future. Chang, H CIowa Agricultural and Home Economics Experiment Station *Iowa State Univ Ext Spec Rep* 71, 40 P. Map. Ref. Mar 1973

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Climate indices: method of Gaussen & relative humidity. (Ita) Giacobbe, A *Ital Forest Mont* 27 (5): 189-197. Sept/Oct 1972

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Agricultural systems & fruit culture in Bulgaria. (Jap) Kira, H *Kajitsu Nippon* 28 (3): 20-23. 1973

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Some aspects of agriculture in Netherlands. (Dut) Gloude, T *Keurmeester* 64: 30-32. Feb 1973

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Federal Research Institute for Alpine Agriculture. [Austria]. (Ger) Hofrat, W; Bruckner, A *Land Forstwirt Osterr* 5: 11-18. 1972

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Strengthening of agricultural research & teaching at a university in India. (Dut) Kijne, J W *Landbouwkundig Tijdschr* 85 (1): 19-24. Ref. Eng. Sum. Jan 1973

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Post-graduate courses of International Agricultural Centre & other institutes. (Dut) Haak, A H *Landbouwkundig Tijdschr* 85 (1): 6-10. Eng. Sum. Jan 1973

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Off-farm employment of Michigan's dairy farmers & their families. Hoglund, C R *Mich State Univ Dep Agr Econ Agr Econ Rep* 234, 9 P. Oct 1972

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Oosterbeck--center of agricultural research in . (Ger) Schoeffel, W *Mitt Deut Landwirt-ges* 87 (48): 1218, 1220. Nov 23, 1972

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Industry & agriculture as a partner. (Ger) Menges, D W von *Mitt Deut Landwirt-ges* 87 (52): 1307-1308. Dec 21, 1972

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Professional competition of German rural youth: Still important today? (Ger) Heinemeyer, J *Mitt Deut Landwirt-ges* 87 (52): 1324-1326. Dec 21, 1972

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How do we keep people on land? [Rural exodus]. (Ger) Bruns, K P *Mitt Deut Landwirt-ges* 88 (3): 60-61. Jan 18, 1973

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Selectivity in mirgation: a review of literature. [Rural population]. Suval, E M Agricultural Experiment Station *N C Agr Exp Sta Tech Bull* 209, 79 P. Ref. June 1972

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Role of research institutes in intensification of agricultural production as shown on example of Lithuania. (Pol) Godlewski, S *Nowe Roln* 21 (23): 26-27. Dec 1/15. 1972

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Scientific & technical cooperation between Soviet Union & Poland in field of agriculture. (Pol) Lobanow, P *Nowe Roln* 21 (23): 4-6. Dec 1/15, 1972

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Impact of a major economic change on a coastal rural economy: a large aluminum plant in Clatsop County, Oregon. Collin, T; Youmans, R; Stoevener, HOregon Agricultural Experiment Station *Oreg Agr Exp Sta Sta Bull* 614, 34 P. 1973

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Some aspects of housing problem in Hainaut. (Fre) Stievenart, R *Propr Terrienne* 25 (299): 368-369, 371. Nov 1972

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Social rural housing in province of Hainaut. (Fre) Devos, G *Propr Terrienne* 25 (299): 378-381, 383. Nov 1972

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Agriculture in Hainaut. (Fre) Hardy de Beaulieu, V le *Propr Terrienne* 25 (299): 386-387. Nov 1972

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Cooperative of Charleroi region: Results & needs. [Rural housing]. (Fre) Amant, M *Propr Terrienne* 25 (299): 388-389, 391. Map. Nov 1972

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Hainaut, this unknown. [Rural communities]. (Fre) Delmelle, J *Propr Terrienne* 25 (299): 394-399. Nov 1972

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Glance at past of Dochamp district. [Villages]. (Fre) Lassance, W *Propr Terrienne* 25 (300): 430-433, 435. Map. Dec 1972

051752 49 P952
Current problems of communal agricultural service. (Pol) Sawicki, M *Przegl Hodowlany* 40 (10): 1-2. May 16/31, 1 72

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National meeting of outstanding farmers held in Kwidzyn. (Pol) Gierkiem, E *Przegl Hodowlany* 40 (3/4): 27-50. Feb 1/29, 1972

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Farmer's opinion about agricultural broadcasts. Singh, R; Sohal, T S; Singh, B *Punjab Agr Univ J Res* 9 (2): 367-371. June 1972

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